

## Books Received

*The following books have been received by the Editor. Brief and generally uncritical notices are given of works of marginal crystallographic interest; occasionally a book of fundamental interest is included under this heading because of difficulty in finding a suitable reviewer without great delay.*

**Tables of collision integrals and second virial coefficients for the  $(m,6,8)$  intermolecular potential function.** By MAX KLEIN, H.J.M. HANLEY, FRANCIS J. SMITH and PAUL HOLLAND. Pp. 157. Springfield, Mass.: U.S. Department of Commerce, 1974. Price \$1.90.

Tables of collision integrals and second virial coefficients are presented for the  $(m,6,8)$  potential function. Ten values of the repulsive exponent  $m$  are included which range in unit steps from  $m=9$  through  $m=18$ . Approximately six values of the parameter,  $\gamma$ , associated with the inverse eighth power term, are included for each value of  $m$ . These tables are equivalent, therefore, to tables for 60 three-parameter  $(m,6)$  potential functions. Comparisons of the results for  $m=12$  and  $\gamma=0$  [corresponding to the  $(12,6)$  function] have been made with other calculations. Based on these comparisons, the accuracy of the present calculation appears to be at least two or three parts in 10000

depending on the temperature. A table is included which contains the Boyle temperature, the Boyle volume, and the ratio of the intermolecular separation at the potential minimum to the separation at the zero of the potential.

**Landolt-Börnstein. Numerical data and functional relationships in science and technology. Group III. Crystal and solid state physics. Vol. 7. Crystal structure data of inorganic compounds. Part b** By W. PIES and A. WEISS. Key elements O, S, Se, Te. Substance numbers  $b1 \dots b1817$ . Pp.xxiii+674, Figs. 23. Berlin: Springer, 1975. Price (cloth) DM 560, U.S.\$229.60.

The Landolt-Börnstein New Series Group III Volumes *7a* and *7g* have already been published [for reviews see *Acta Cryst.* (1975). A31, 271-272; B31, 937-938]. Part *b* gives data on O, S, Se and Te compounds.